

Application No.: Not Yet Assigned

Docket No.: 4918-0102PUS1

weight-average molecular weight of 16,800 was obtained. The conversion of the polymerization was about 100%. After the obtained ring-opening polymer was hydrogenated, the product of the hydrogenation was hydrolyzed at 190°C for 4.5 hours, and an alicyclic olefin resin having a polar group (Polymer E) was obtained. The degree of hydrogenation was 100%, and the degree of hydrolysis was 95%.

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Please amend the Specification on page <sup>34</sup>35 beginning at line <sup>25</sup>18 as follows:

The alicyclic olefin resin obtained in Synthesis Example 1 (Polymer A) in an amount of 100 parts by weight, 550 parts by weight of cyclohexanone as the solvent, 20 parts by weight of a condensate of 1,1,3-tris(2,5-dimethyl-4-hydroxyphenyl)-3-phenyl propane (1 mole) and 1,2-naphthoquinonediazide-5-sulfonic acid chloride (1.9 moles) as the acid-generating agent, 25 parts by weight of CYMEL 300 as the crosslinking agent, 5 parts by weight of  $\gamma$ -glycidoxypropyltrimethoxysilane as the auxiliary adhesive and 0.05 parts by weight of MEGAFACK F172 (manufactured by DAINIPPON INK AND CHEMICALS INCORPORATED) as the surfactant were mixed, and a solution was prepared. The prepared solution was filtered through a Millipore filter having a pore size of 0.45  $\mu$ m, and a solution of a radiation sensitive resin composition was prepared. The prepared solution was applied to a silicon substrate, a glass substrate and a substrate having a silicon oxide film with a step of 1  $\mu$ m (this substrate will be referred to as a stepped substrate) in accordance with the spin coating process. The coated substrates were prebaked on a hot plate at 90°C for 2 minutes, and coating films having a thickness of 3.0  $\mu$ m were formed. Masks having prescribed patterns were placed on the silicon substrate, the glass substrate and the stepped substrate, and ultraviolet light having a wavelength of